

RESEARCH AND DEVELOPMENT, NEUCHATEL - QUARTERLY REPORT

DIVISION : PROCESS DEVELOPMENT
SUBJECT TITLE : HUNT
PERIOD COVERED : APRIL - JUNE 1990
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KEYWORDS : hunt, us, fbo, lamina, cross, cutting, lpp

OBJECTIVES

This project, which is being carried out at the request of the Leaf Department (blending) has the following objectives :

- Evaluation of US FBO tobacco samples (small lamina)
- Trials of "cross cutting" in the Miniprimary (double cut)
- Groundwork to prepare the possible introduction of FB small lamina products in Europe according to LPP.

STATUS

The two trials of "cross cutting" (double cut) carried out during the last period (1) were repeated. The tobacco used was the same single lot of bright tobacco. It was also not cased and cut at the same conditions:

- first cut: 1.4 mm; second cut: 2.8 mm
- first cut: 3.3 mm; second cut: 3.3 mm.

Analytical data (sieves and CV) showed similar results for the repetition (3), as compared to those of the trials carried out during the last period (2).

As the tobacco went through the cutter twice, it was also compressed twice. Pads were therefore generated.

In order to avoid pad generation, it was decided to cut tobacco only once. It was assumed that if a smaller strip size is used, only one cut is necessary to achieve the same particle size, while two cuts were necessary with larger strip size.

The smaller strip size was generated by a threshing of the strips in the TQA facilities with the Mac Tavish stem tester.

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After threshing, three cutting trials were carried out:

- 0.85 mm cut width
- 2.8 mm cut width
- 2.2 mm cut width

The analytical results (sieves and CV) show that the cut at a larger width is positive for small lamina (3). In order to continue the trials, contacts were taken with GBE Legg in the UK in order to try special knives on the cutter. Two of their representatives visited us on June 22. During the meeting, these knives were defined and ordered.

PLANS

To try special-shape knives on our Hauni KTF, in order to generate rectangular particles.

REFERENCES

- (1) Borgognon-D., Profs note to Salmon-B., Results on Project HUNT, April 18, 1990
- (2) Borgognon-D., Profs note to Salmon-B., Results on Project HUNT, June 7, 1990
- (3) Borgognon-D., Quartely report, January - March 1990

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